# COMMUNITY INVOLVEMENT & ENGAGEMENT FOR BRINGING ATK INTO DFO'S FISHERIES PLANNING

working towards a methodology

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PRESENTATION FOR APC – AAEDIRP – AAROM – FISHERIES WORKSHOP SHARING KNOWLEDGE AND BUILDING PARTNERSHIPS 30-31 JANUARY 2014, MONCTON, NB











# COMMUNITY INVOLVEMENT & ENGAGEMENT FOR BRINGING ATK INTO DFO'S FISHERIES PLANNING

working towards a methodology

# Where to start?

... by reminding ourselves that:

THE ELDERS HAVE SPOKEN



APCFNC/AAEDIRP Elders

Research Project 2010-2011

Honouring Traditional Knowledge

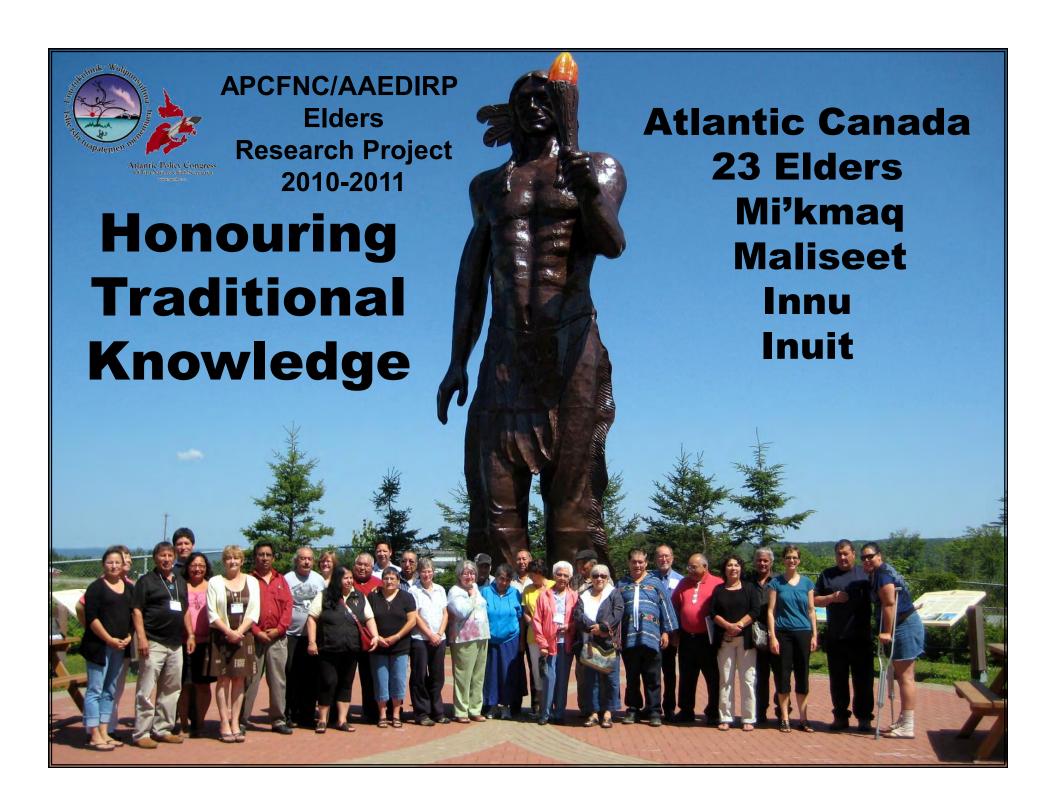


Atlantic Canada
23 Elders
Mi'kmaq
Maliseet
Innu
Inuit

### THE ELDERS HAVE SPOKEN

We must bring our Traditional Knowledge into the present so that everything becomes meaningful in our lives and communities.

(words of Elder Murdena Marshall)



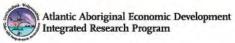
### **PROJECT REPORT**

http://www.apcfnc.ca/en/resources/HonouringTraditionalKnowledgeFinal.pdf

## APCFNC Elders Project:

### HONOURING TRADITIONAL KNOWLEDGE







#### ELDERS RECOMMENDATIONS

The following is the list of recommendations from the APCFNC Elders Project: Honouring Traditional Knowledge. It is an initial list concerning how Elders would like to be consulted when sharing Traditional Knowledge. Reading and acknowledging this list of recommendations should be considered a form of consultation with Atlantic Aboriginal communities.

- It needs to be recognized that Atlantic Aboriginal communities are losing their Elders, their languages, and their cultural knowledge very rapidly. Therefore, Aboriginal communities an leadership need to recognize the urgency and importance of working alongside Elders and learning from their Traditional Knowledge immediately.
- It is imperative that Elders be involved in all aspects of the territorial, cultural, linguistic, ecological, economic development, and social affairs of Atlantic Aboriginal communities. Elders are in a position to help prioritize what is most important because of their collective cultural knowledge.
- Traditional Knowledge should be woven into all aspects of Aboriginal community life, inclueconomic development, fisheries, health, social, law, environment, and education, etc.
- 4. Elders should be consulted in meaningful ways and have advisory roles for all Aboriginal community planning, development, implementation, and evaluation taking place. Meaningfirwolvement would include being members of steering committees and advisory committees that Elders have input into decision making.
- Traditional Knowledge must be shared and passed on before it is lost. The ways in which Traditional Knowledge is passed on need to be directed by the Elders from each territory.
- 6. An Elders Council, appointed by Elders, that would advise on matters related to the sharing of Traditional Knowledge, should be formed for the Atlantic region. The Council would advise of matters related to protocols and/or ethics and the best practices for the sharing of Traditional Knowledge as well as the best practices for working alongside Elders. This would include wo alongside Elders in all areas of community life and development including research.

The Elders Council, once formed, would engage in a process of co-learning with the Atlantic region universities to create a template for how the process of this knowledge transfer could or

 Elders should be involved in developing and approving educational curriculums related to Traditional Knowledge for Aboriginal community schools and provincial and post-secondar institutions in the Adantic region.

Traditional Knowledge should be woven into the social studies, science, and language curriculums for primary and secondary schools in Atlantic Aboriginal communities. This we ensure proper and meaningful education for Aboriginal learners, enable the communities to develop a balance between western and Aboriginal learning methods, and better prepare Aboriginal children for their future paths.

Post-secondary institutions should be compelled to seek guidance from the Elders Council (described above in recommendation #6) to develop appropriate curriculums related to Traditional Knowledge for relevant post-secondary programming.

Each Aboriginal community needs to encourage the use of traditional practices, which are
products of Traditional Knowledge. This would encourage younger generations to learn abou
and respect traditional practices such as traditional laws, cultural and spiritual practices, lang
learning, and practices related to hunting and fishing, food gathering, medicine, ecology, scie
arts, and education.

To view the complete project, go to: http://www.apcfnc.ca/en/resources/HonouringTraditionalKnowledgeFinal.pdf

#### BACKGROUND

The Aduntic Policy Graguess of Free Nections Childs (APCPAC) brings regarder 36 First Nections in the Aduntic Applies of Canada as well as the Frant in Ladender. Through the Aduntic Aberlginal Economic Development Integrated Research, Program (ALDINE) administrated by the AFCPAC, from vivoy to sixte, as Millstrang, Wilstenburghi, Trava, and Intel Edward have been immitted to a period collect "Homography Buttletina" Canadedge."

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The Atlantic Chiefs, having reviewed the eight recommendations at their 16th Annual General Meeting on September 20, 2011, support the recommendations par forward by Adantic Region Eiders as an All Chiefr Eucobusion F2011-4.

MOTIONED BY: Chief Mirsel Joe, Mirrepulsek First Nation (CONDED BY: Chief Rederick Gongoo, Wirenhah First Nation (DECISION: Howeld by communication of the C

#### HONOURING TRADITIONAL KNOWLEDGE COMPONENTS

#### Flders Mawie'mi August 2010

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#### Video: Honouring Traditional Knowledge

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#### Fident Bastonman dation

The Didon made eight recommendations concerning Traditional Knowledge. The recommendation

#### List of Resources

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#### FOR MORE INFORMATION PLEASE CONTACT:

Research Coordinator
Atlantic Aboriginal Economic Development Integrated Research Program, AAEDIRS
APCENC

Phone: 435-So21 (office) or 402-1733 (cell Email: gillian sesting appfoces

### **ELDERS 8 RECOMMENDATIONS**

www.apcfnc.ca

Therefore it be resolved that the Atlantic Chiefs, having reviewed the recommendations at their meeting on 29 September 2011 **Atlantic Policy Congress** Of First Nations Chiefs Secretariat hereby support the 8 recommendations put forward by Atlantic Region Elders as part of the APC Elders Project: Honouring Traditional Knowledge.



### **ELDERS 8 RECOMMENDATIONS**

2. It is imperative that Elders be involved in all aspects of the territorial, cultural, linguistic, ecological, economic development and social affairs of Atlantic Aboriginal communities. Elders are in a position to help prioritize what is most important because of their collective cultural knowledge.



### **ELDERS 8 RECOMMENDATIONS**

3. Traditional Knowledge should be woven into all aspects of Aboriginal community life, including economic development, fisheries, health, social, law, environment and education, etc.



# 2013: we helped APC encourage DFO to include ATK in their IFMP process

# BRINGING ATK INTO DFO'S FISHERIES MANAGEMENT PLANNING CYCLE FOR SNOW CRAB (GULF MANAGEMENT AREA 12)



BRINGING ATK INTO DFO'S FISHERIES MANAGEMENT PLANNING CYCLE FOR SNOW CRAB (GULF MANAGEMENT AREA 12)



Elders & Doctors of Letters, honoris causa Eskasoni community, Mi'kmaw Nation albertdmarshall@ns.sympatico.ca

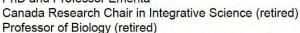


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#### **Aboriginal Traditional Knowledge**

PRESENTATION FOR APC FISHERIES WORKSHOP 5-6 FEBRUARY 2013, MONCTON, NB



Licences, Conditions, Variation Orders, Tags, Quota allocations, TAC decisions, Notice to Fishers,

Announcements.

### our 2013 final report to APC



#### Roadmap for

orporating Aboriginal Traditional Knowledge (ATK) into
"Integrated Fisheries Management Plan" planning process
for the Commercial Snow Crab Fishery
in the Southern Gulf of St. Lawrence (Area 12)





#### Murdena & Albert Marshall

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PRESENTATION FOR APC FISHERIES WORKSHOP 5-6 FEBRUARY 2013, MONCTON, NB



FINAL REPORT (APC Contract #2013-008 and Project #4125) submitted to the Atlantic Policy Congress of First Nations Chiefs Penultimate Draft - 20 MARCH 2013

#### Project Team / Report Authors

Cheryl Bartlett, CM, PhD Albert Marshall, Elder, LLD Murdena Marshall, Elder, LLD

### include ATK, GOAL and CHALLENGE:

We need to navigate our way forward using input from both ATK and DFO's western science.

### include ATK, STEPS:

We need to elevate the consciousness about ATK for DFO and also among L'nu. We all need to understand that ATK is based in *Netukulimk*.

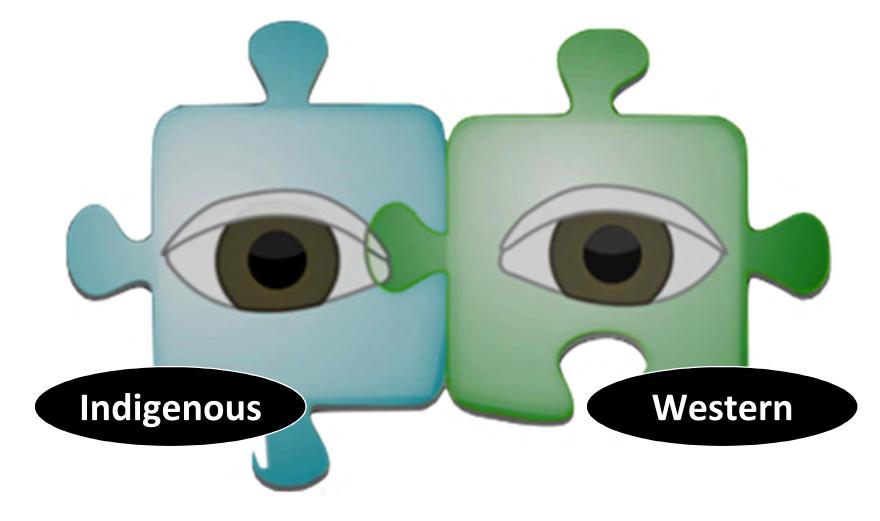
### include ATK, OVERALL:

We know that some ingredients are already in place – programs, processes, research. We need to integrate with them and/or expand upon them.

### THE BIGGEST CHALLENGE

is to bring together the strengths from both science and ATK so as **NOT** to compromise the ecological integrity of **Mother Earth** 

### include ATK, using TWO-EYED SEEING



**ETUAPTMUMK** 



### **TWO-EYED SEEING**

a Guiding Principle

LEARN ... to see from one eye with the best in the Indigenous ways of knowing, and from the other eye with the best in the Western (or mainstream) ways of knowing

... and **LEARN** to use both these eyes together for the benefit of all.

(words of Mi'kmaw Elder Albert Marshall)

to get there ... we need to do this together, we need to CO-LEARN



- Post-mortem on fishery, effectiveness of measures, enforcement
- Quota reconciliation

#### 5) POST-SEASON REVIEW



1) PLANNING

DFO FISHERIES MANAGEMENT CYCLE

- Modernization planning
- Identification of Science needs
- Implementation plan for new policies
- IFMP review and updating

2) CONSULTATIVE PROCESS

- Fisheries opening/closing
- Quota monitoring & management

4) FISHING

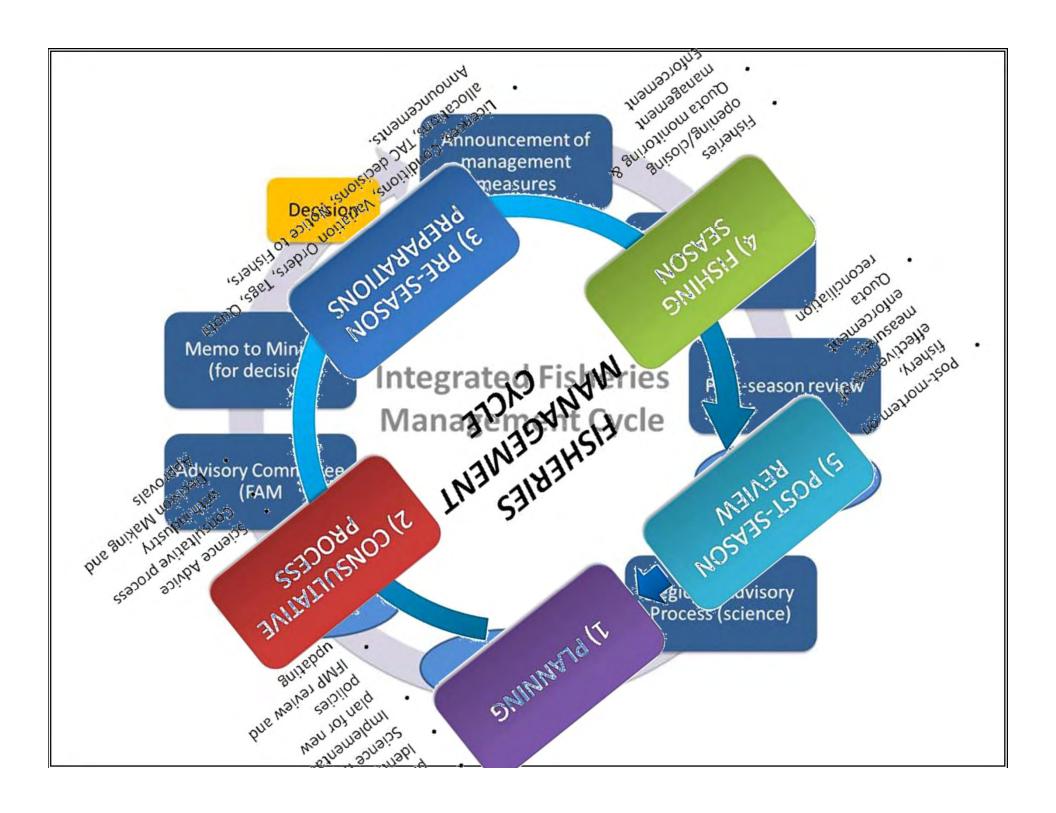
**SEASON** 

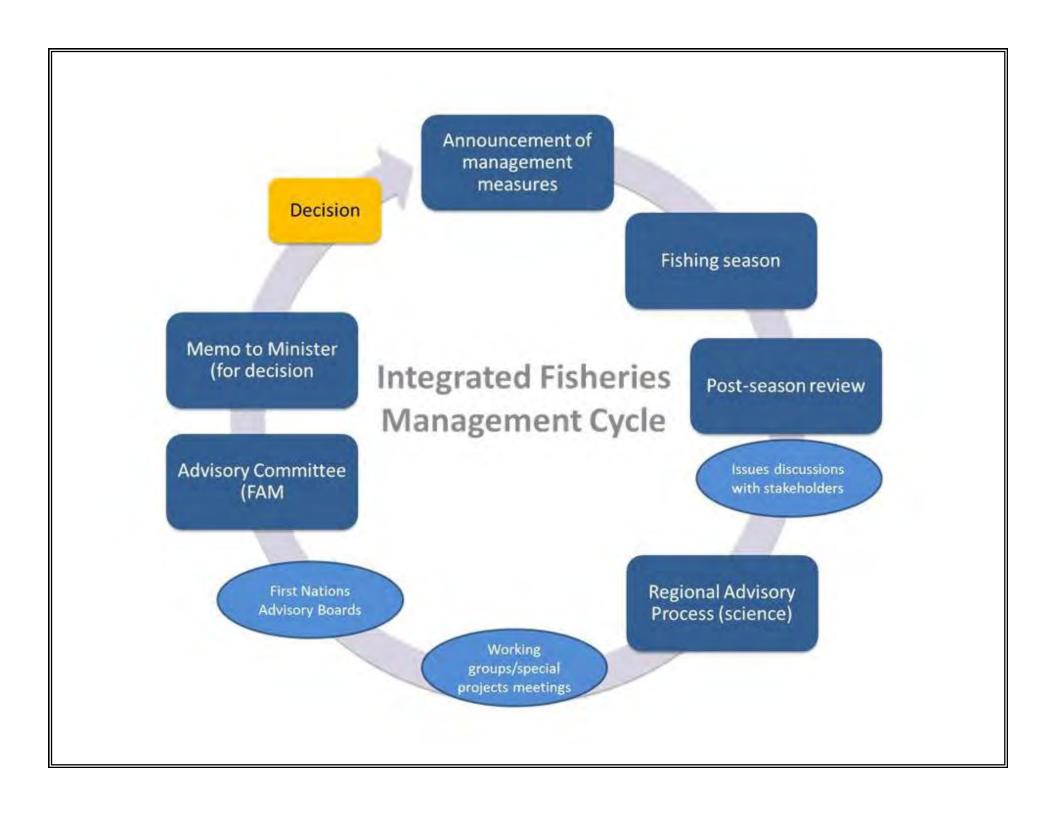
· Enforcement

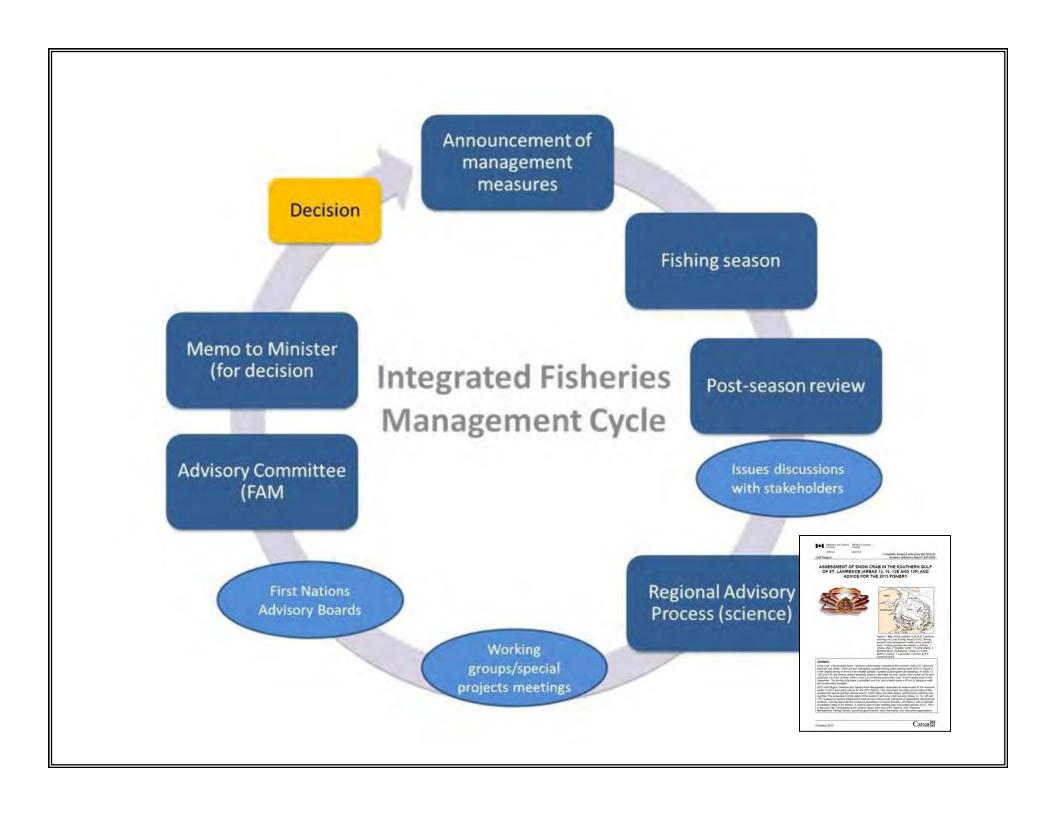
3) PRE-SEASON PREPARATIONS

 Licences, Conditions, Variation Orders, Tags, Quota allocations, TAC decisions, Notice to Fishers, Announcements.

- · Science Advice
- Consultative process with industry
- Decision Making and Approvals







#### Canadian Science Advisory Secretariat Science Advisory Report 2013/002

Fisherie:
Canada
Science
Sciences
Gulf Region

Canadian Science Advisory Secretariat Science Advisory Report 2013/002

#### ASSESSMENT OF SNOW CRAB IN THE SOUTHERN GULF OF ST. LAWRENCE (AREAS 12, 19, 12E AND 12F) AND ADVICE FOR THE 2013 FISHERY



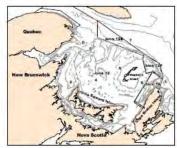


Figure 1: Map of the southern Gulf of St. Lawrence showing the Crab Fishing Areas (CFAs), fishing grounds and management buffer zones (shaded area). Fishing grounds are labeled as follows: 1 Chaleur Bay, 2 Shediac Valley, 3 Orphan Bank, 4 Bradelle Bank, 5 Magdalen Channel, 6 Cape Breton Corridor, 7 Laurentian Channel, and 8 American Bank.

#### Context:

Snow crab, Chionoecetes opilio, has been commercially exploited in the southern Gulf of St. Lawrence since the mid-1960s. There are four individually managed fishing areas among which Area 12 (Figure 1) is the largest fishery in terms of its fishable surface, number of participants and landings. In Areas 12, 12E and 12F, the fishing season generally starts in April-May as soon as the Gulf is clear of ice and continues into early summer while in Area 19, the fishery opens after June 30 and usually ends in mid-September. The landing of females is prohibited and only hard-shelled males ≥ 95 mm of carapace width are commercially exploited.

DFO Gulf Region Fisheries and Aquaculture Management requested an assessment of the resource status in 2012 and catch advice for the 2013 fishery. This document provides an overview of the assessment results and the science advice. Catch rates and other fishery performance indicators are reported. The assessment of the status of the southern Gulf snow crab resource (Areas 12, 19, 12E and 12F) is based on fishery independent trawl surveys that provide indicators of: abundance (commercial biomass), reproductive potential (numerical abundance of mature females), recruitment, and to estimate exploitation rates in the fishery. A science peer review meeting was conducted January 30-31, 2013 in Monoton, NB. Participants at the science review were from DFO Science, DFO Fisheries Management, fishing industry, provincial governments, from universities, and Aboriginal organisations.

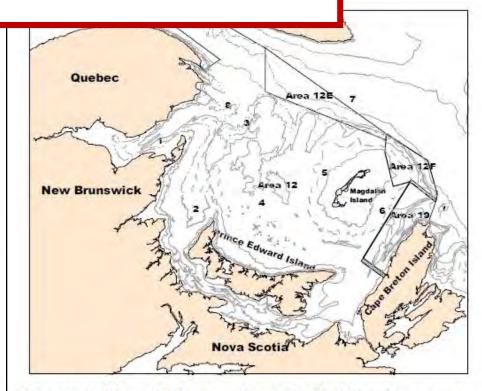
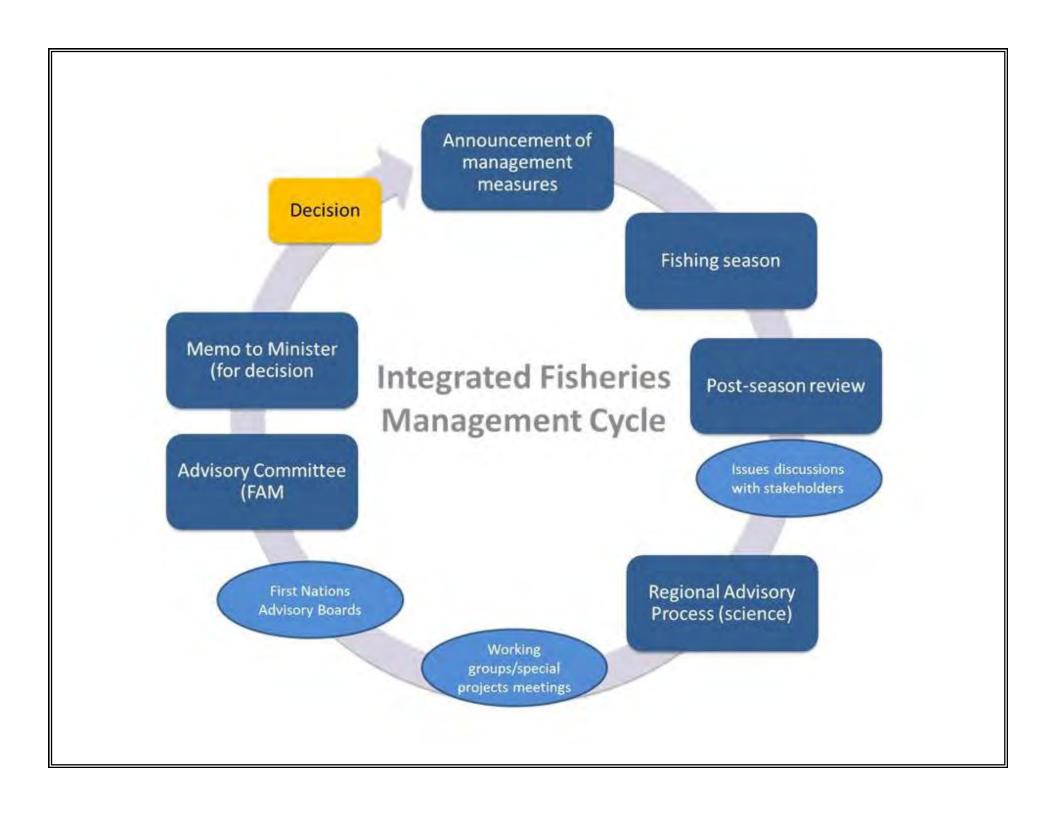
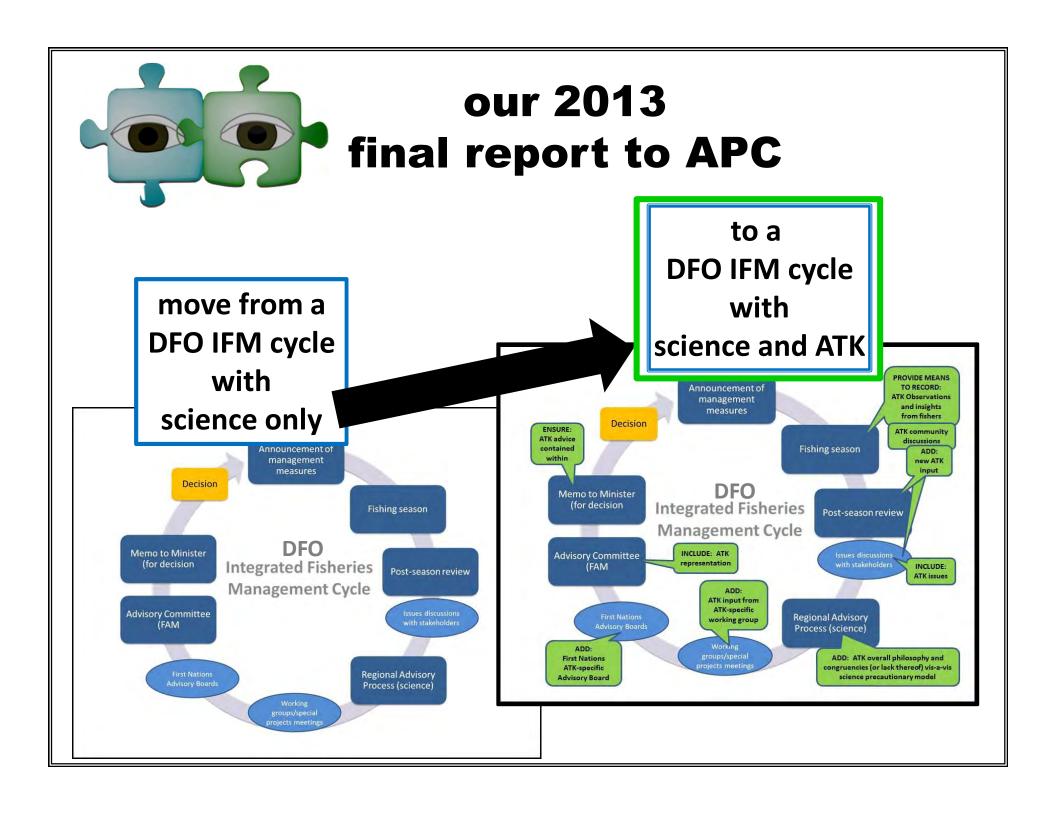
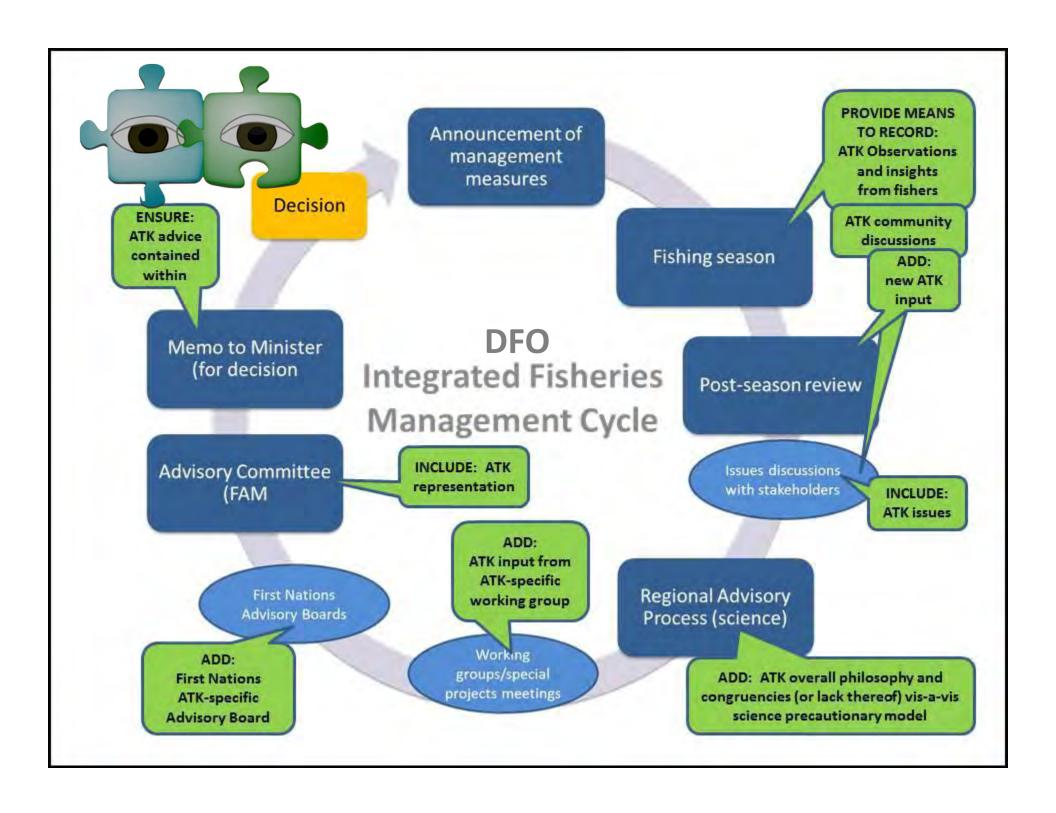
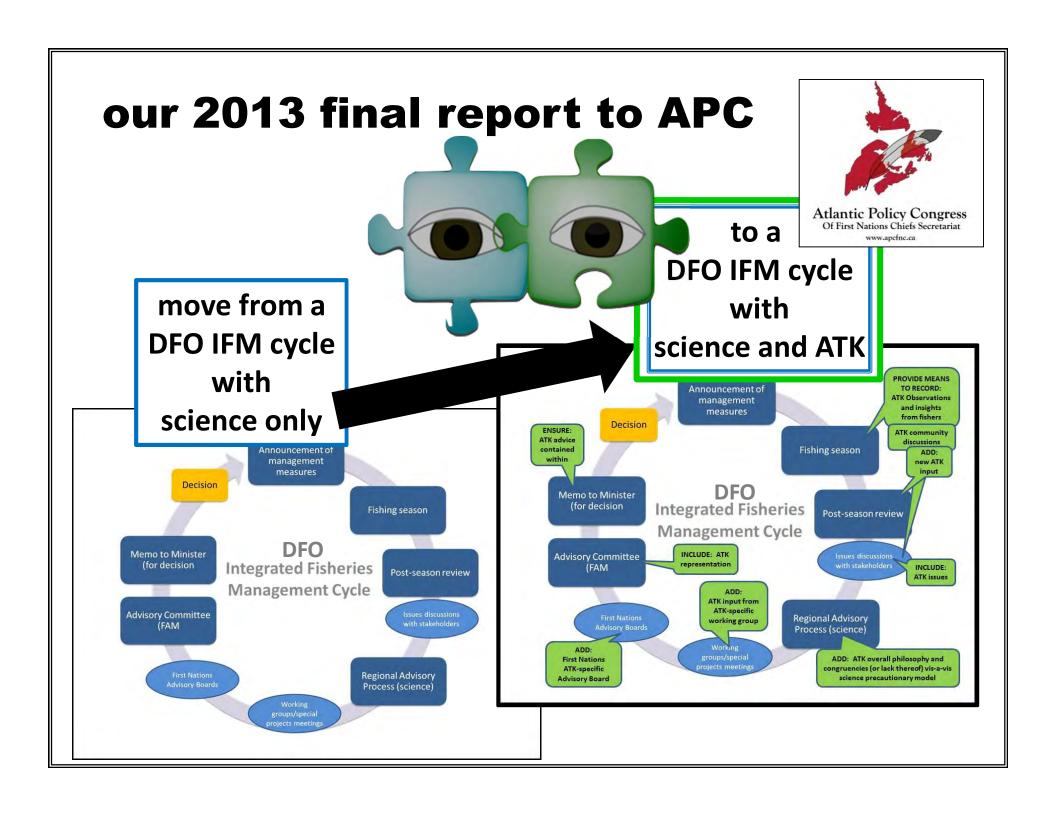


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#### words of Elder Albert Marshall, LLD, Eskasoni First Nation

Ntua'g kinuk me'ki kina'masultinew ag wli nstmnew eptuaptasimkewey. Nuta'q wla etuapmkewey ankite'tm nej kulaman wen pipanikkesij kisi apognmuatisnu nsitmnew. Ta'nik teto'qi msitmu'k miamuj kekinamu'kik ta'n kogoewey. Etuaptimkewey, miamuj weji kmitu'tij mimajik, ta'n telukwek aq kepmite'tasin. Kejitu tetpaqi ewekasi'k wsitgamu ajiknatew kinuk keji'tuk mu wen newtite'lsin ta'n tijiw weji ka'qa'tun aq pasik nekm wtapesin. Nuta'q iknaq, pitui knajan ag wsitkamuk siawasinm nutag elt kinamuan wulo'tmnew wsitqamu wjit na nemowk.

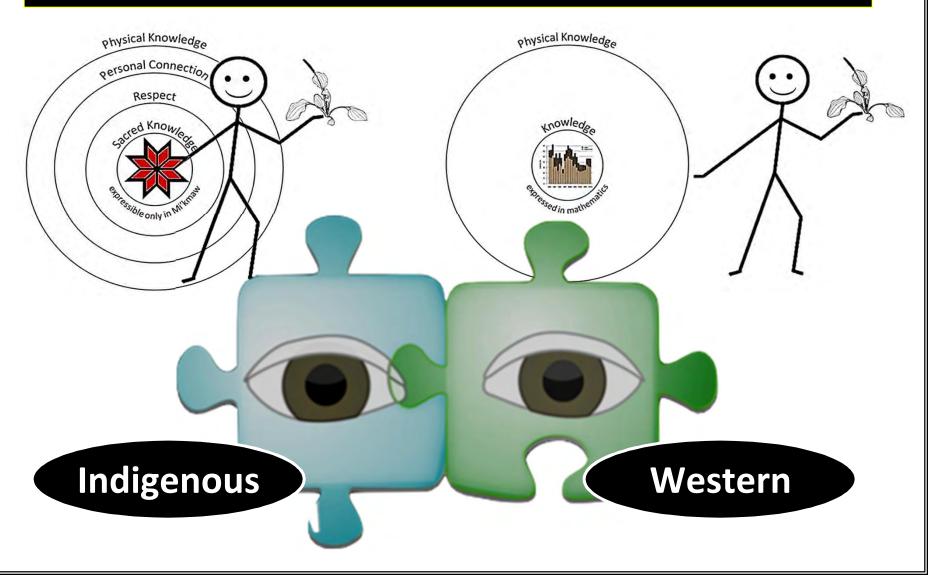
We need to embark on a co-learning journey of Two-Eyed Seeing in which our two paradigms will be put on the table to be scrutinized. We need to honestly be able to say that the essence, the spirit of our two ways, has been respected as we work to

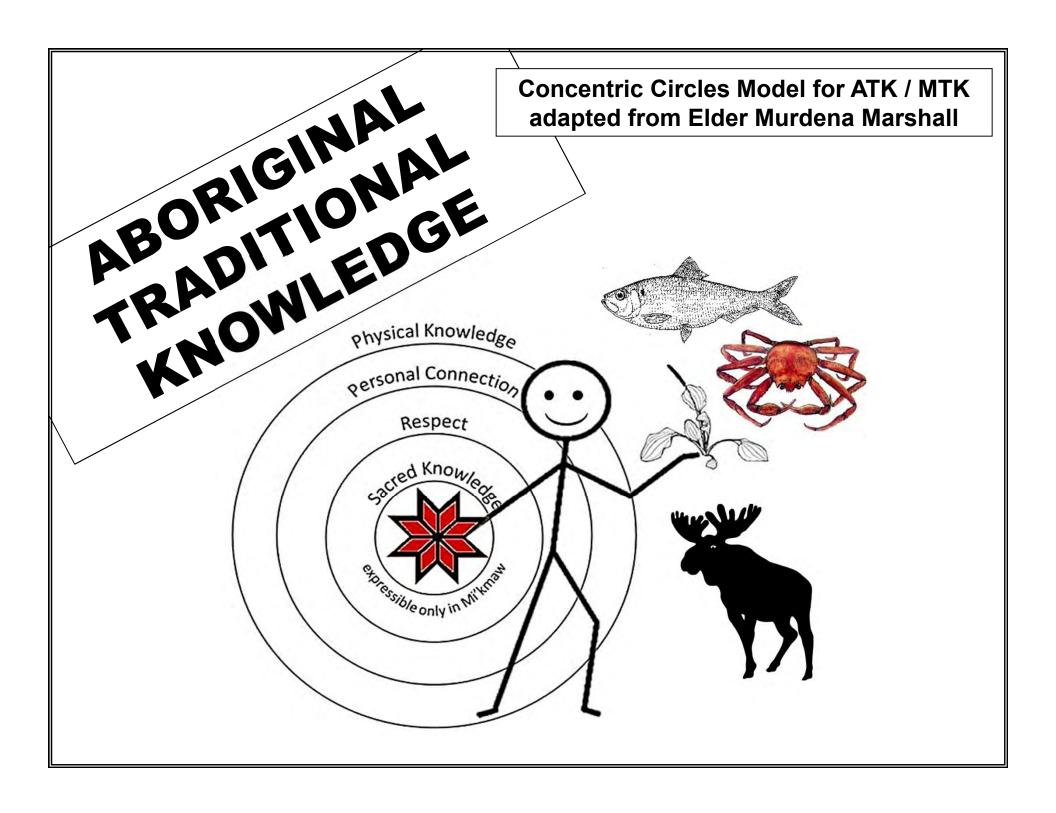
balance the energies of those ways.

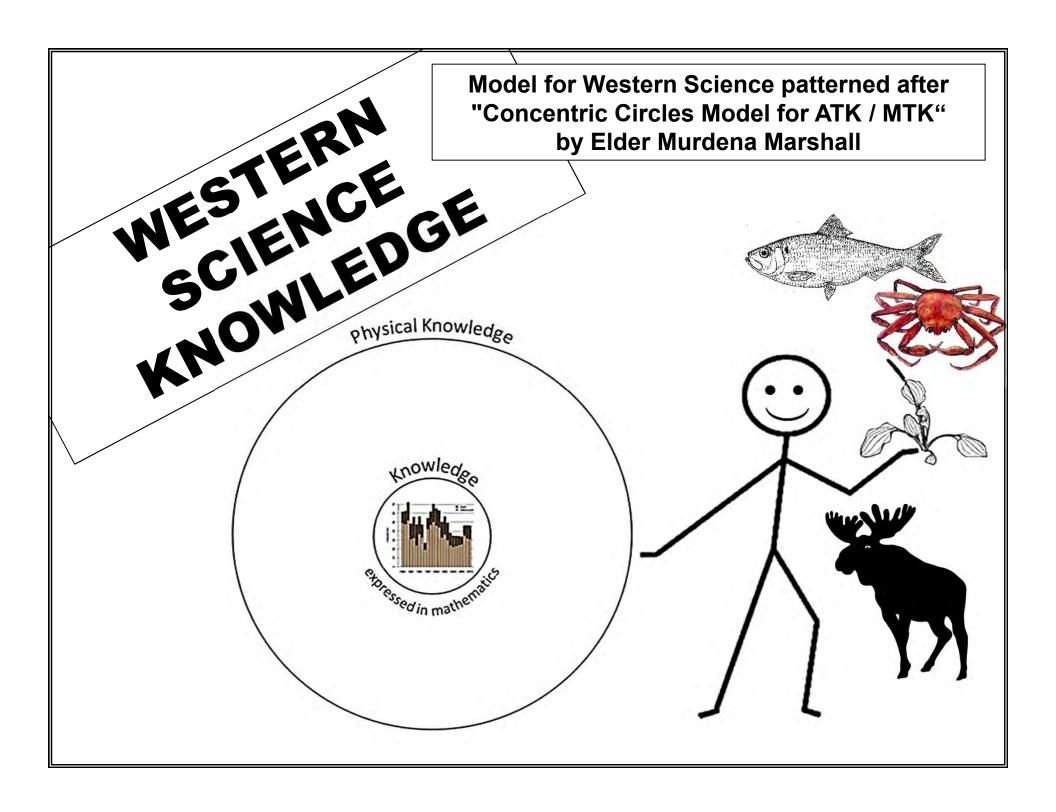
We need to put the two together, such that we have something so profound that we can sustain ourselves and at same time be very cognizant that our actions of today do not jeopardize the ecological integrity of area. Our actions have to be seen to be beneficial for people of the next generations.

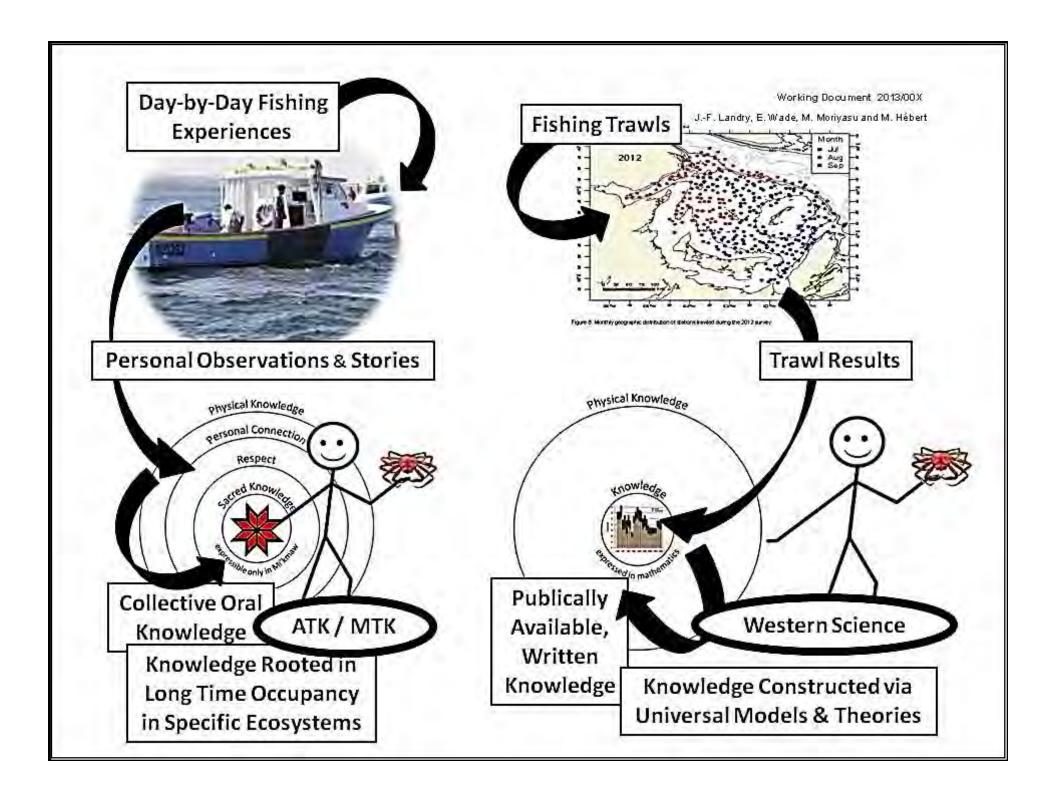
to get there ... we need to do this together, we need to CO-LEARN

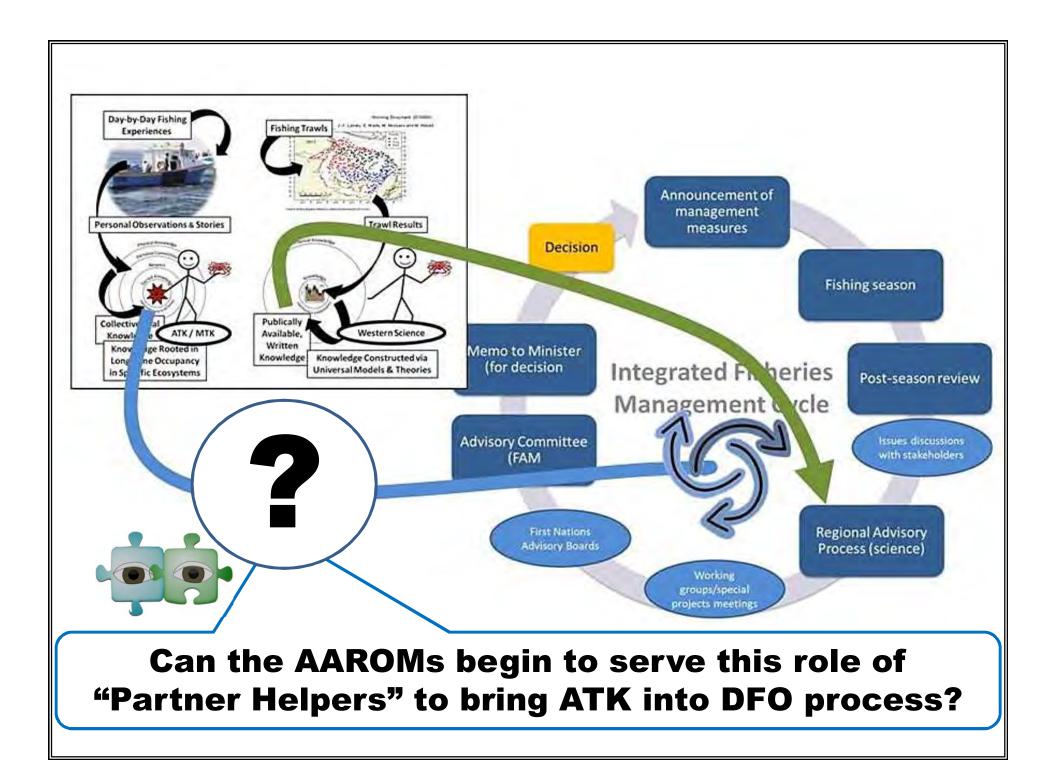
# The challenge is to bring together the strengths from both so as not to compromise the integrity of Mother Earth.





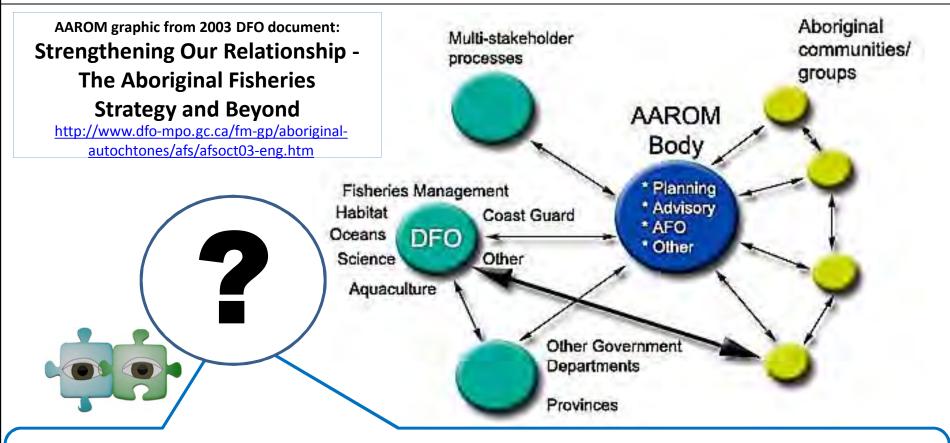






### **JOURNEY OF CO-LEARNING**

will be co-developed by FISHERS and COMMUNITY MEMBERS (especially ELDERS) working with DFO and PARTNER HELPERS



Can the AAROMs begin to serve this role of "Partner Helpers" to bring ATK into DFO process?

### **JOURNEY OF CO-LEARNING**

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Aboriginal Aquatic Resource and Oceans Management Program

#### **DFO's current objectives for AAROM program\***

- to assist Aboriginal groups in acquiring the administrative capacity and scientific/technical expertise to facilitate their participation in aquatic resource and oceans management;
- to encourage the establishment of collaborative management structures that contribute to integrated ecosystem/watershed management and planning processes;
- to enhance existing collaborative management structures, where appropriate;
- to facilitate sound decision making in advisory and other processes related to a number of areas of DFO responsibility;
- to strengthen relationships through improved information sharing among Aboriginal communities, DFO and other stakeholders and among Aboriginal communities; and
- to contribute to the federal government's broader objective of improving the quality of life of Aboriginal
   people.

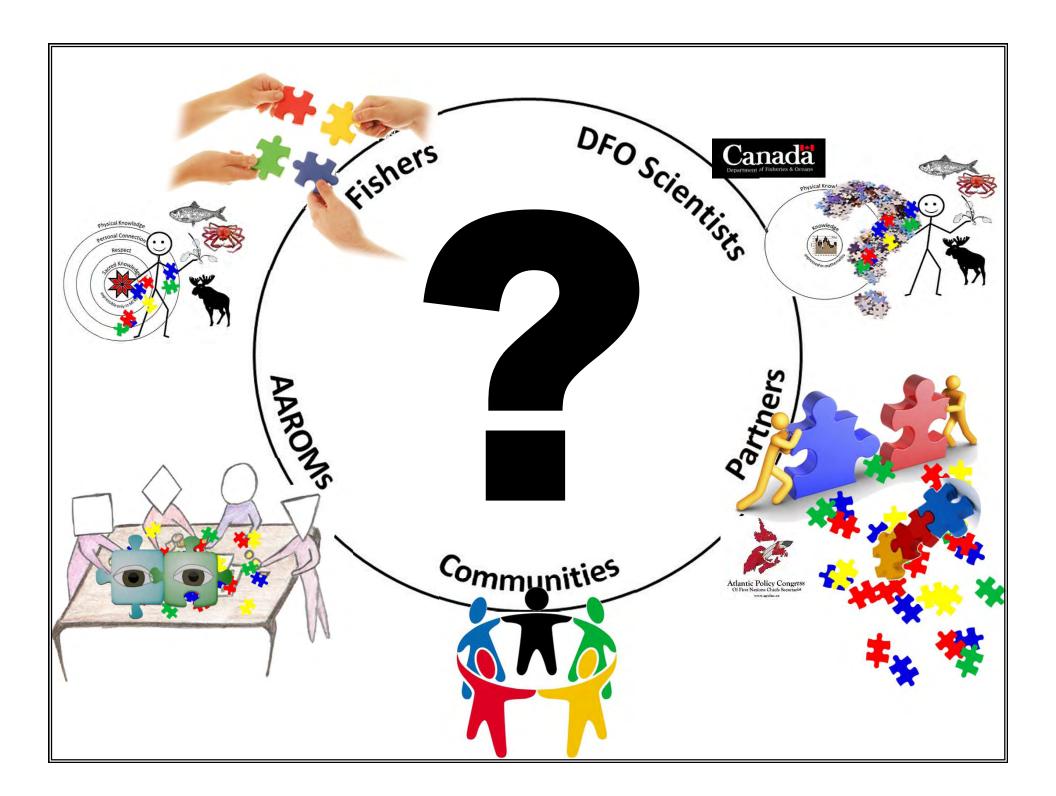


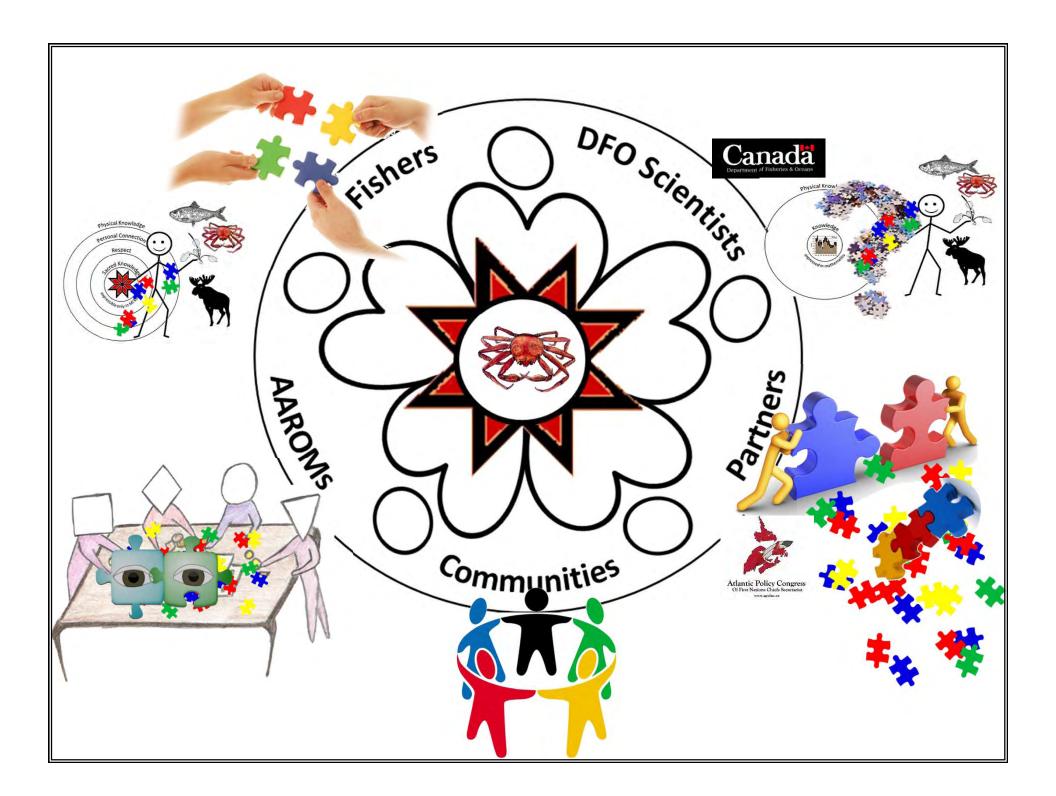
\* <a href="http://www.dfo-mpo.gc.ca/fm-gp/aboriginal-autochtones/aarom-pagrao/index-eng.htm">http://www.dfo-mpo.gc.ca/fm-gp/aboriginal-autochtones/aarom-pagrao/index-eng.htm</a>

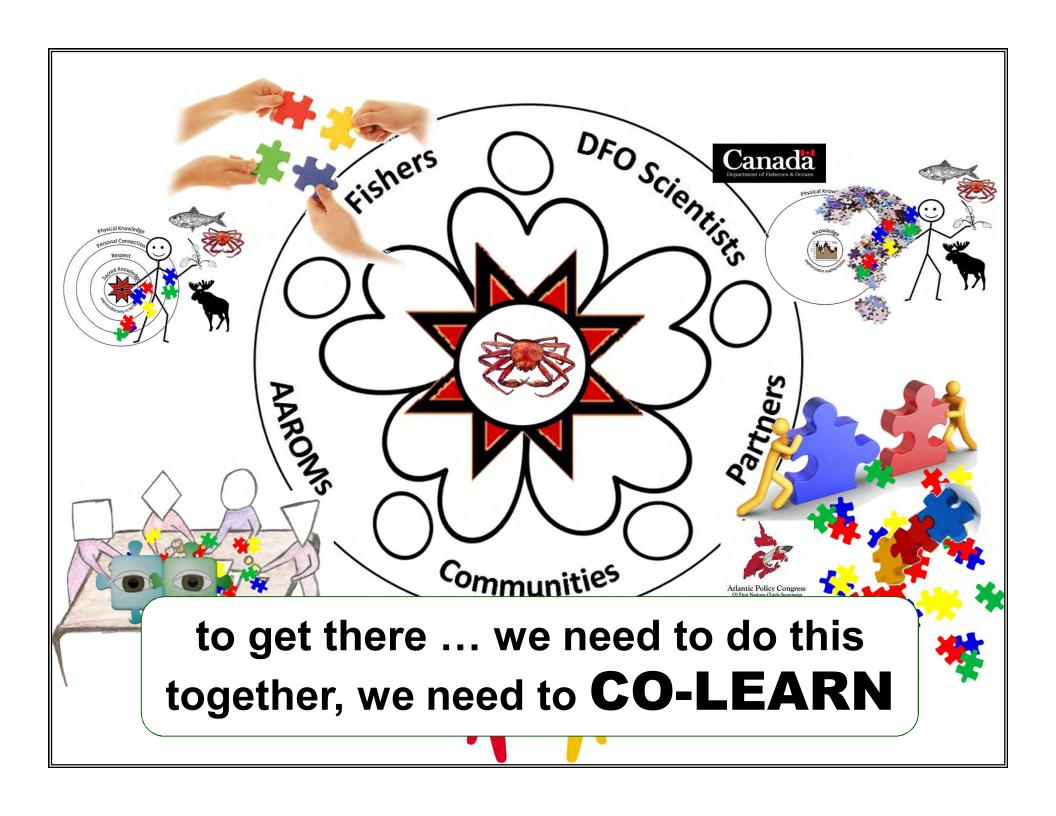
Can the AAROMs begin to serve this role of "Partner Helpers" to bring ATK into DFO process?



2014: design a methodology for community involvement & engagement







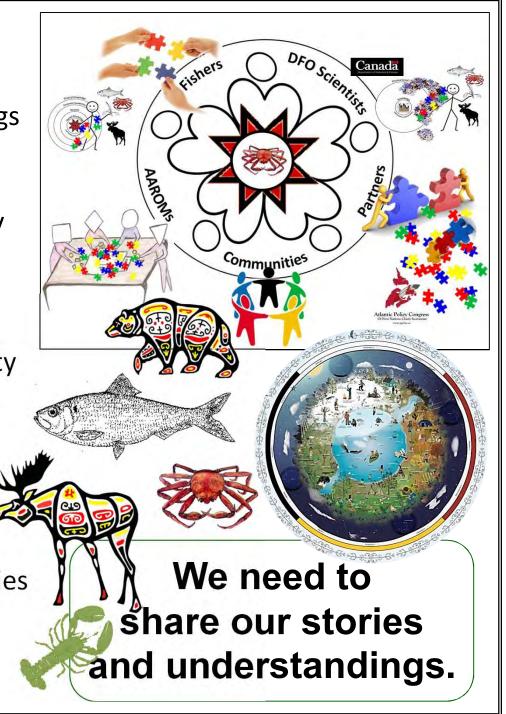
#### words of Elder Albert

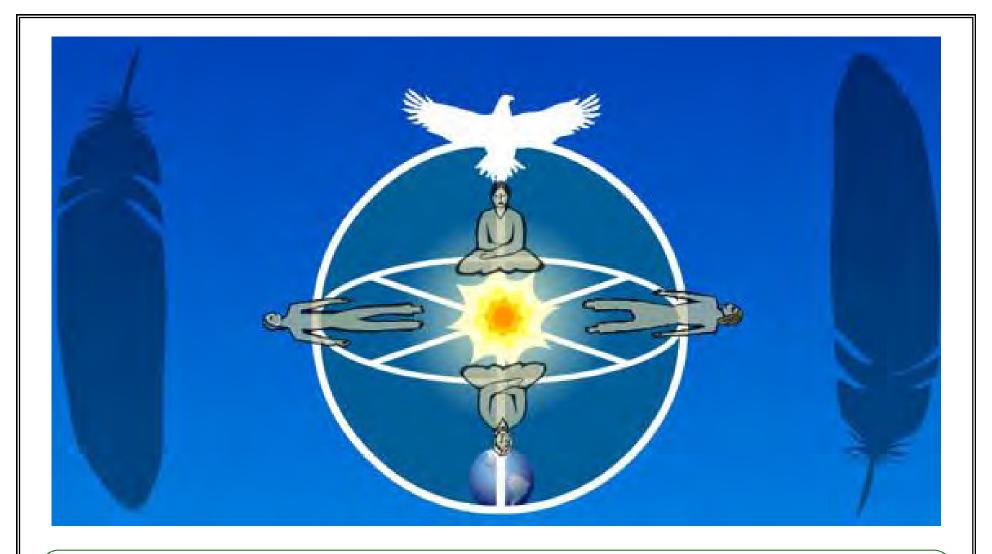
We are re-entering an era in which what we had once considered to be obsolete is now coming back, and this is our understanding of the natural world as having kinship relationships and interconnectivity. The remembering and relearning will be a total transformation of understanding. We will have to invite the spirit of consciousness back into our daily lives so we are guided as per the way we initially were.



#### **Key conversations:**

- creating broader understandings of Netukulimk within communities;
- gathering of ATK by community fishers and subsequent consideration by community Elders and appropriate others;
- 3) enabling meaningful community co-learning together with DFO;
- 4) implementing ATK-informed fisheries management for communities, especially the setting of quotas; and
- 5) expanding the context of fisheries into healthy and sustainable communities.





We need to remember and reconnect with our traditional stories and ceremonies.

http://www.fourdirectionsteachings.com/transcripts/mikmaq.html

We will need to do a lot of inner reflection.

We have for too long been in a period of disconnect from our natural world and from our traditional ways.

We have lost a lot of the stories that would normally flow as to how we would go about sustaining ourselves.



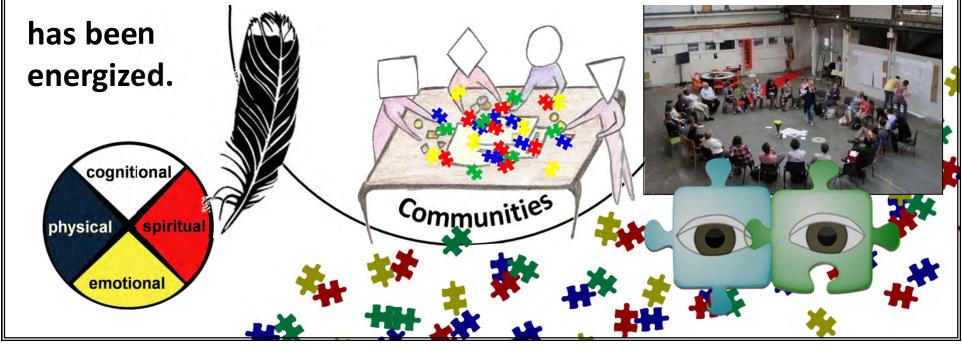
#### **JOURNEY OF CO-LEARNING**

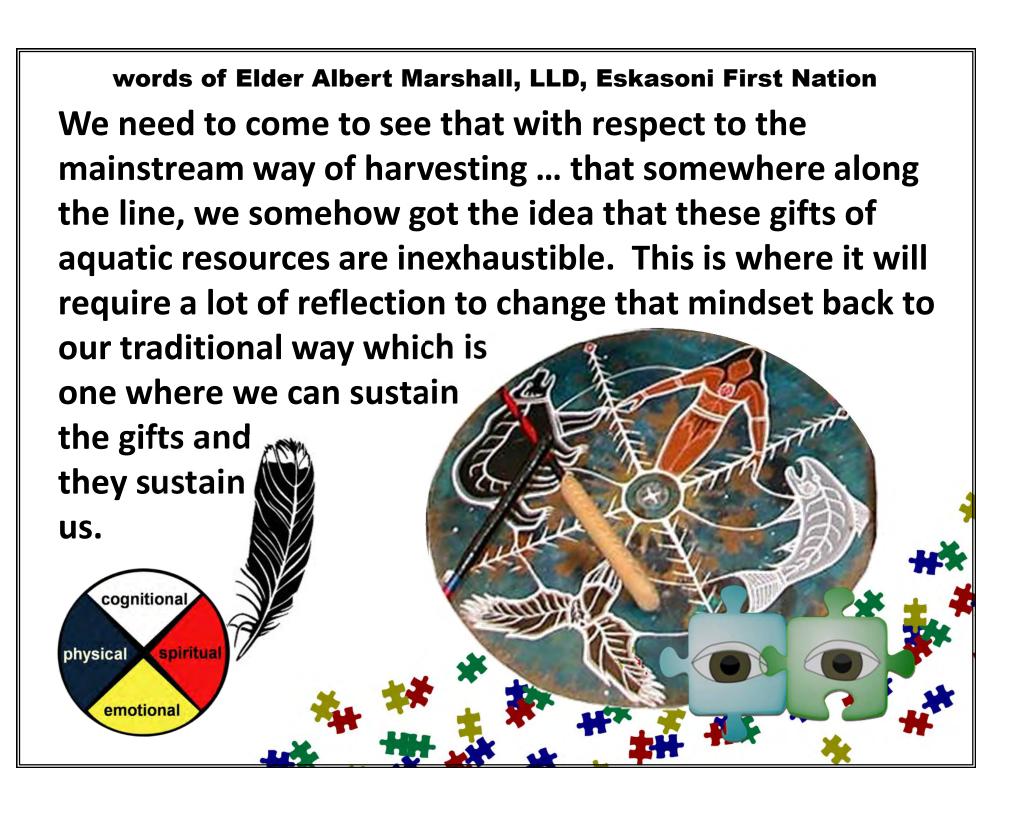
will be co-developed by FISHERS and COMMUNITY MEMBERS (especially ELDERS) working with DFO and PARTNER HELPERS

The essence of CO-LEARNING is that the



### SPIRIT OF COLLABORATION







words of Elder Albert Marshall, Eskasoni First Nation

We need to remember and reconnect with our Traditional Knowledge.



Our culture is built on long term vision and our decisions were made with the next Seven Generations in mind.

(words of Elder Albert Marshall)



This is what we truly believe ... this is what reinforces our spirituality:

that no one being is greater than the next, that we are part and parcel of the whole, we are equal, and that each one of us has a responsibility to the balance of the system.

(words of Elder Albert Marshall)

We need to put our understandings such that they are not so abstract.

(words of Elder Albert Marshall)

Indigenous people invariably contend that the attitude and philosophy involved, rather than the technology, are what makes a practice traditional.

(words of Indigenous scientist and scholar Raymond Pierotti)
Pierotti, R., 2011, p. 14, in: Indigenous Knowledge, Ecology, and Evolutionary Biology. Routledge, New York



is living knowledge and adaptive knowledge.

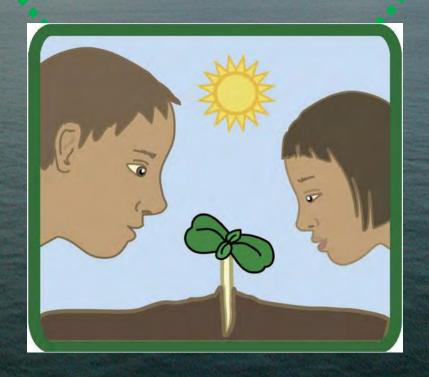
RESPECT REVERENCE RESPONSIBILITY RECIPROCITY

"sustaining ourselves"
... yes ... but really is a much richer concept: it is wholistic.

... it takes you into a place where you are very conscious of how the human two-leggeds are interdependent and interconnective with the natural world ... this philosophy / ideology is so ingrained in your subconscious that you are constantly aware of not creating an imbalance.

(words of Elder Albert Marshall)

# RESPECT REVERENCE RESPONSIBILITY RECIPROCITY



The laws of nature will need, in some cases, to supersede the man-made laws. (words of Elder Albert Marshall)

Indigenous thought defines politics and ethics as existing in the realm of ecological communities and ecosystems. Following this logic it makes no sense to limit the notion of politics and ethics to human beings.

(words of Raymond Pierotti, Indigenous scientist & scholar)

Pierotti, R., 2011, pg. 8-9 in: Indigenous Knowledge, Ecology, and Evolutionary Biology. Routledge, New York

Co-existence

Inter-dependence

**Community Spirit** 



We need to use the tools from the man-made laws to assist the laws of Mother Earth ... that is the best we can do ... then we are living out our responsibilities. (words of Elder Albert Marshall)



One point consistently missed by Western investigators of TK is the significance of honor and responsibility in Indigenous traditions.

Western science typically fails to consider the responsibility scientists owe toward study organisms. There is also little, if any, discussion of the obvious reciprocal relationship between investigator and subject.

(words of Indigenous scientist and scholar Raymond Pierotti)
Pierotti, R., 2011, pg. 15 & 17 in: Indigenous Knowledge, Ecology, and Evolutionary Biology. Routledge, New York

We are all connected. (words of Elder Albert Marshall)

We live within interconnectivity. (words of Elder Murdena Marshall)

Humans did not descend as angelic beings into this world. Nor are we aliens who colonized Earth. We evolved here, one among many species, across millions of years, and exist as one organic miracle linked to others. The natural environment we treat with such unnecessary ignorance and recklessness was our cradle and nursery, our school, and remains our one and only home. To its special conditions we are intimately adapted in every one of the bodily fibers and biochemical transactions that gives us life.

This is ... the guiding principle of those devoted to the health of the planet. But it is not yet a general worldview ... (words of mainstream scientist / biologist Edward O. Wilson)

Wilson, E.O., 2002, p. 40 in: The Future of Life, Vantage Books, New York

# All Our Relations



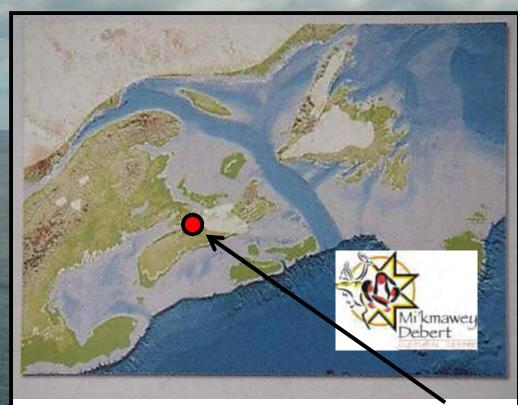
Indigenous knowledge emerges from careful long-term observations of natural phenomena. The data collected are basically an understanding of relationships between specific biological entities (plants, mammals, birds, insects, fish) and among biological and physical entities (rocks, bodies of water), landforms (mountains, isolated hills, unusual rock formations), and meteorological phenomena. This knowledge encompasses practical, empirical, and ideological aspects of understanding and is both the information itself and a way of knowing.

(Indigenous scientist and scholar Raymond Pierotti 2011 citing Barsh 2000 and various other authors)

Pierotti, R., 2011, p. 9 in: Indigenous Knowledge, Ecology, and Evolutionary Biology. Routledge, New York

We have been here a long time ... sensitivities to eco-patterns and eco-relationships have developed over millennia

Indigenous knowledge emerges from careful long-term observations of natural phenomena.



Extent of ice 11,000 years ago. People lived at the Debert site sometime between 11,000 and 10,000 years ago.

information source: signage on Miormawey Debert Interpretive Trail

Pierotti, R. 2011, p. 9 in: Indigenous Knowledge, Ecology, and Evolutionary Biology. Routledge, New York



# QUESTIONS AND SUGGESTIONS

Welalioq
Thank you

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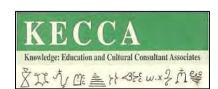
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